CIM31/FIM31 — PROGRAMMING IN C

Time : Three hours　　　　　　　　Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write characteristics of algorithm.

2. Define Variable.

3. What do you mean by data types?

4. Define type conversion.

5. Write an algorithm to find sum of two numbers.

6. Define Array.

7. What are strings?

8. What is call by value?

9. Define Structure and how it differs from other data types.

10. What is fopen( )?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Give a short note on identifier.

Or

(b) Explain about the declaration of variables.

12. (a) Narrate the switch statement.

Or

(b) Brief account on Goto statement.

13. (a) Explain about String Handling functions. Explain all with their uses.

Or

(b) Write a note on Access modifier.

14. (a) Give short note on Recursion of functions.

Or

(b) What are the basic user defined functions? Explain.

15. (a) Illustrate declare structure. Write uses of structure.

Or

(b) Write a program that shows concept of structure.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detailed account on operator precedence.

17. Describe about the types of IF statements.

18. Write a program to multiplication of two 2-D array.

19. Discuss in detail about the integer functions.

20. Describe about dynamic memory allocation.

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